

РОССИЙСКАЯ ФЕДЕРАЦИЯ
ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ

УНИПЛАСТ

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Technical specifications and conditions

for the supply of scintillating bars for LARIND neutrino detector for LHEP, University of Bern

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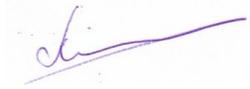
Dear Mr. Kreslo,

According to our agreement hereby we state the technical specifications and conditions for the supply of scintillating strips for the LARIND project to LHEP, University of Bern.

1. The shape of the scintillating strips to be produced by UNIPLAST is rectangular, with 10 mm thickness, 90 to 110 mm width (to be fixed after the prototyping phase), 4.5 m maximum length. The tolerances in width and thickness are 0.1 mm, in length – 1 mm.
2. The grooves for a wavelength-shifting fibers will be cut by UNIPLAST at the two long sides of the strips according to the design provided by the LHEP.
3. The surface of the strips will be subjected to chemical modification according to the UNIPLAST technology to produce white diffuse-reflecting layer.
4. The total scintillator quantity to be delivered by UNIPLAST to LHEP is approx. from 7000 kg to 9000 kg.
5. The production rate by UNIPLAST at the production stage of the project is not less than 40 scintillating strips per day.
6. The UNIPLAST reserves 15 days of delay for completing export-related formalities for each batch of the scintillating strips transported to Bern.
7. The UNIPLAST reserves 30 days for preparation of the production facilities starting from the date, when the final dimensions of the required strips are fixed. This date will be the issue date of the order according to the first production-phase offer.
8. The cost of the scintillating strips, manufactured according to the conditions stated above is limited to 55 USD per kilogram, but may be subjected to reduction.
9. All costs of R&D, production preparation and prototype strips will be accounted within the final sum to be paid by LHEP to UNIPLAST for the final amount of scintillator delivered under condition of the item 8 above.
10. The quality control of the scintillator will be conducted by UNIPLAST on the extruded strips with the use of instrumentation provided by LHEP and according to the agreed procedure.
11. The cost of transportation and border custom fees are covered by the UNIPLAST, unless stated separately in the offers for small-batch prototypes.

Yours faithfully,

UNIPLAST Inc,

A handwritten signature in purple ink, appearing to be 'V. Mayatskiy', written over a horizontal line.

Director, V. Mayatskiy

19 February 2015.